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flexible medium when the open-shut part is closed, wherein the open-shut part comprises an interior end forming a step and the support part comprises an exterior end forming a wall, the wall and the step generally corresponding to each other and adapted to clamp the flexible medium therebetween.

2. The film tray as claimed in claim 1, each clamp of the at least one pair of clamps further comprising a front support extending from the open-shut part parallel to a front side of the support part, the front support being adapted to apply pressure on the flexible medium to further keep the flexible medium in tension when the open-shut part is closed.

3. The film tray as claimed in claim 2, wherein at least one hole or groove is formed in at least one of the support plate, the at least one pair of clamps or the front support to minimize the weight of the support plate.

4. The film tray as claimed in claim 1, wherein the support plate has an opening through a central part of the support plate.

5. The film tray as claimed in claim 1, wherein the support plate has a thickness of between about 10 mm to about 50 mm.

6. The film tray as claimed in claim 1, wherein at least one of the support plate or the at least one pair of clamps comprises at least one of a metal or a synthetic resin.

7. The film tray as claimed in claim 6, wherein at least one of the support plate and the at least one pair of clamps is formed by joint bonding different metals.

8. The film tray as claimed in claim 6, wherein the metal is aluminum.

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9. The film tray as claimed in claim 6, wherein the synthetic resin is carbon fiber reinforced plastic.

10. The film tray as claimed in claim 7, wherein the different metals are aluminum and steel.

11. The film tray of claim 1, wherein the flexible medium is a flexible film or a flexible substrate.

12. The film tray of claim 1, wherein the open-shut part is configured to contact the flexible medium in a closed position.

13. The film tray of claim 1, wherein the open-shut part and the support part are configured to each contact the flexible medium when the open-shut part is closed.

14. A film tray for supporting a flexible medium during fabrication of a flexible display comprising:

a support plate; and

at least one pair of clamps, each clamp of the at least one pair of clamps being located at a perimeter of the support plate to fix a flexible medium, a first clamp of one of the at least one pair of clamps being aligned with a second clamp of the one of the at least one pair of clamps, wherein each clamp of the at least one pair of clamps comprises:

an open-shut part adapted to pivotally open with respect to the support plate to receive the flexible medium and adapted to close to fix the flexible medium between the open-shut part and the support plate, wherein each clamp fixes the flexible medium in a folded configuration.

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